Application/Control No. Applicant(s)/Patent under Reexamination Index of Claims 09/831,814 **VOLLMER ET AL.** Examiner Art Unit William J. Deane 2642 (Through numeral) Cancelled Rejected Non-Elected Appeal N Α Allowed Restricted 0 Interference Objected Claim Date Date

Final	Original	55005	SEGOL										Final	Original	1 25 ENDS	1 1 15EBC								Final	Original								ļ	
	1	100		\dashv	+	┪	-		-	17	7	ŀ		51	띳	;	\vdash	\vdash	\dashv	╅	\dashv	十	-		101	-	├—	\vdash	⊢	-		\dashv	\dashv	\dashv
	2		H	\dashv	$^{+}$	\dashv	┪	_	Т	\forall	╣	ŀ	\neg	52	1	1.1	H	┝╌┤		\dashv	+	+-	┨		102	\vdash	-	\vdash	H	Н		┥	\dashv	\dashv
Н	3	+		\dashv	+	\dashv	┪	_	Ι-,	∕-	╣	ì		53	0	V	-	\vdash	\dashv	+	┪		-	├	103		Η.	-	-	Н	\dashv	\dashv	-+	\dashv
	4	1		\dashv	+	┪	-		H	+	╣	÷		54	7	./	-	\vdash	\dashv	┪	\dashv	+		⊢	103	H	H	┝	Н	Н	\vdash	+	⊣	\dashv
\vdash	5	-		\dashv	+	┪	_	_	⊬	✝	╢	ŀ		55	7		\vdash	\vdash	\dashv	+	\dashv	+	-	⊢	104 105	├	-	├	Н	Н	-	\dashv	┥	\dashv
\vdash	6	_	\mathbf{H}	+	+	\dashv	-	\neg	\vdash	╁	╢	ŀ	_	56	V	1	┝	Н	\dashv	\dashv	\dashv	╅	-	 	106	├	\vdash	-	⊢	Н	-	-	\dashv	
Н	7	\vdash	+	-	+	╅	ᅥ	-/-	┝	╁	╢	÷		57	7	7	\vdash	Н	-	\dashv	-+	+	-	┝	107	\vdash	-	┝	⊢	Н	\vdash	-		\dashv
\vdash	8		\forall	-	+	┪		/ -	┝	╁	╣	ŀ		58	.,	1	⊢	Н	\dashv	\dashv	\dashv		-	 	108	\vdash	⊢	⊢	-	-	-	\dashv	\dashv	\dashv
	9		7	_		-	-/	_	┝	╁	╢	ŀ	-	59	./	sf.	-	Н	-	-	-	-	-	├	109	\vdash	-	\vdash	Ŀ	Н		┥	\dashv	\dashv
-	10	\vdash	Н	┪	+	+	/		⊢	╁	╢	ŀ	_	60	17	5	┢	╂╾┨	\dashv	\dashv	\dashv	+	-	⊢	110	H		├	 	Н	\dashv	\dashv	\dashv	-
Н	11	H	-	+	+	+	H	-	-	╁	1	ŀ		61	Ψ,	1	\vdash	Н	-	-+	\dashv	+	-	├	111	├	├	-	-	Н		+	\dashv	\dashv
\vdash	12	Н	-	\forall	+	-	H	_	⊢	╁	╢	÷		62	ν,		-	Н	\dashv	\dashv	-	\dashv	-	┝	1111	\vdash	┝	 	Н	Н	\dashv	-	-	\dashv
-	13	\vdash	-	-	╅	-#	-	_	┝	╁╾	-	ŀ		63	Ψ,	4	Н	Н	\dashv	+	-	-	-		112 113	-	\vdash	⊢	⊢	Н	-	\dashv	\dashv	
\vdash	14	<u> </u>		+	\forall	∦	\dashv	-	\vdash	+	-	ŀ		64	۳	۳	\vdash	Н	\dashv	\dashv	\dashv	+	-	<u> </u>	113	H	-	 	\vdash	\vdash	-	\dashv	-+	\dashv
\vdash	15	_	-	\dashv	+	/	-		-	╁	1	ŀ		65	╁╌	-	\vdash	\vdash	\dashv	\dashv	-	+	-	_	114	\vdash	⊢	\vdash	\vdash	\vdash		-	\dashv	\dashv
\vdash	16	Η.		\dashv	₩	+	\dashv		\vdash	+-	┪	ŀ		66	╁	Η-	-	\vdash	\dashv	\dashv	\dashv	+	-	\vdash	115 116	-	├	\vdash	\vdash	\vdash	\dashv		\dashv	\dashv
$\vdash \vdash$	17	\vdash	┝╌┤	\dashv	᠕	\forall	-	-	\vdash	+	-	ij		66 67	-	+-	\vdash	H		\dashv	\dashv	+	-	 —	117	 	⊢	├	-	\vdash	\dashv	\dashv	-	\dashv
\vdash	18	\vdash	-		/ 	₩	\dashv		⊢	╫	4	÷	-	68	\vdash	⊢	⊢	Н	\dashv	\dashv	\dashv	+	-	<u> </u>	117 118	┢╾	├	├	⊢	Н	-	\dashv	\dashv	-
\vdash	19	├	\vdash	-	/+	┩	-	_	-	╁	-	⊪	_	69	├	⊢	⊢	Н	\dashv	+	\dashv	+	-	├	119	⊢	\vdash	-	⊢	H				-
\vdash	20	┢	-	-/	╁	-	Н		H	+	-	ii)		70	⊢	\vdash	⊢	Н	-	\dashv	+	+	-	<u> </u>	119		├	├	├	Н	-	\dashv	\dashv	_
\vdash	21	┢	⊢	-	+	╛	Н		H	+	-	1		71	⊢	╌	┢	Н	\vdash	\dashv	\dashv		-	┢	120 121	├-	-		├	-		-	\dashv	
\vdash	22	┝	-	/	+	+	┪		┝	╫┈	╣	ŀ	_	72	╁	├	├	Н	\dashv	\dashv	-i		-	_	121	┼	⊢	-	⊢	├—		\dashv		\mathbf{H}
\vdash	23	-	Н	\mathcal{H}	╅	\dashv			-	╁╌	-	ŀ		73	⊢	├-	├-	╂	Н	+	-+	-	-	⊢	122	┼	┝		┝	-	H	\dashv	-	-
\vdash	24	\vdash	\vdash	/-	+	+	\dashv	\vdash	⊢	╁	-	ŀ		74	⊢	⊢	⊢	╁	\dashv	\dashv	┥	+	-	-	123	⊢	⊢	⊢	┡	⊢	_	\dashv	-	—
\vdash	25	┝	\dashv	\rightarrow	+	┪	\dashv	+	⊬	╁	-			75	⊢	⊢	⊢	\vdash	\vdash	\dashv	+	+	-		124	╀	├—	<u> </u>	⊢	H	_	\dashv	\dashv	—
-	26	\vdash	${} \!$	\vdash	+	+	\dashv	\dashv	┢╌	╁	-	ŀ	_	76	├-	┢	⊢	Н	\vdash	-	}	-	-		125	├-	 —	┝	⊢	├	\vdash		-	
-	27	-	/-	\vdash	+	┪	\dashv	_	ᠰ	╁	-	ŀ		77	├	-	┢	\vdash	\vdash	\dashv	\dashv		-{:::	-	120		⊢	-	-	-	_	-	\dashv	_
	28		-	-+	+	┪	\dashv		Н	+	-	ŀ		78	⊢	⊢	┢╌	╁╌┤	\vdash	┥	-	+	-		122 123 124 125 126 127 128 129	╀	┝	├-	⊢	⊢	_	\dashv	\dashv	<u>-</u>
\vdash	29	 /	\vdash	\dashv	╅	-	\dashv		-	₩	-	ŀ		79	⊢	-	₽	╁┤		+	-+	+	-		120	⊢	├	┝	⊢	⊢	Н	\dashv	\dashv	\dashv
\vdash	30	+	-	-+	+	-+	\dashv	_	-	ᠰ	-			80	┝	⊢	├-	┼╌		-+	┰	-	-		129	⊢	├	⊢	-	\vdash	-	-	\dashv	Н
-	31	/	-	-+	-+	-	\dashv		⊢	₩	╢	ŀ	-	81	\vdash	\vdash	╌	+	\dashv	\dashv	\dashv	+	-	⊢	130 131 132	⊬	╀	\vdash	⊢	├-	-	Н	\dashv	\mathbf{H}
-	32	/	-	\dashv	+	┪		Η.	┝	++	-	ŀ		82	┢	├	╁─	+	Н	┰	┥	-+	-	⊢	131	╀	⊢	├	⊢	-	\vdash	\dashv	\dashv	\mathbf{H}
-	33	-	V	\dashv	+	+	-1	_	┢	╁╌	4	ŀ		83	╁	╁╾	├	╆┪	-	\dashv	┪	-	- :::	 	133	⊢	├	⊢	╁	Н	\vdash	\dashv	\dashv	H
	34		7	\vdash	╅	\dashv	-	-	┢	╁	4	ŀ		84	╁	╁╌	⊢	╁╌	H	┪	+	\dashv	-	⊢	134	╁	╁	┝	┢╌	├─	┝	\dashv	\dashv	\vdash
\vdash	35	5	7	-+	+	┪	\dashv	Η-	┝	+	-	H		85	 -	+-	╌	H	-	-+	\dashv	+	-	\vdash	134 135 136	╁	⊢	⊢	╁	\vdash	\vdash	\dashv	\dashv	\vdash
	36	7	V	\dashv	+	-	\dashv	_	\vdash	+	-	H		86	├	┼	╁	\vdash	Н	+	-+	+	-	\vdash	133	╂	 	+-	+-	\vdash		\dashv	\dashv	\vdash
\vdash	37.	17	7	\vdash	+	-	_	_	┝	╁╾	-	H		86 87	┝	\vdash	╁	\vdash	Н	\dashv	┪	+	-	├-	137	┼	╁	╁╾	╁	┢	-	-	\dashv	Н
	38	V	1	$\vdash \vdash$	+	┪	-	-	 -	╁	-	H		88	╁	╁╌	┼	\vdash	\vdash	\dashv		+	-	-	138	╁	╁─	₩	⊢	\vdash	⊢	Н	\dashv	\vdash
ļ.—	39	1	15	\vdash	┰	\dashv	\dashv	\vdash	╁	╁╴	╢	ii)		89	┢	╁	╁	╆	Н	-	+	\dashv	-		139	+	⊢	┢	⊢	├	H	\vdash	\dashv	Н
\vdash	40		V,		+	+	-	_	┢	+	۱.	ŀ		90	┢	╁	\vdash	1			┪	十	-	\vdash	140	+	\vdash	┼	+-	├	⊢	Н	\dashv	\vdash
-	41			\vdash	+	-	-		╁	╁╴	-			91	┢	╁	⊢	+	\vdash	-	-	+	-		144	+	⊢	⊢	⊢	┢		-		\vdash
 	42	ン	·	$\vdash \vdash$	+	┪	-	<u> </u>	H	+	┨			92	╆	╁	\vdash	1	\vdash			\dashv	-	\vdash	141 142	+	\vdash	+-	+-	-	Н	\vdash	⊢┤	H
 	43	1	v	\vdash	\dashv	┪	-	-	H	┿	1	ı		93	+-	╁	\vdash	+	\vdash	\dashv		+	-	\vdash	142	╁	-	╁	╁	├	-	\vdash	\dashv	H
	44	7	7	\vdash	╅	+	-	-	H	+	1			33	+-	┰	+	\vdash	Н	\dashv	\dashv	+	-	\vdash	143 144 145	╁	╁	╁	╁	\vdash		\vdash	\vdash	H
-	45	7	7	$\vdash \vdash$	┰	┥	-	-	H	+	1			94 95	+-	╁╴	+	+-	Н	-	-	+	┨Ш	\vdash	144 14E	+	╂	⊢	╀	╁	H	\vdash	\dashv	\vdash
	46	1	V	\vdash	\dashv	┥	-	\vdash	┢	+	1	H		95	\vdash	╁	╆	\vdash	Н	-	┪	\dashv	┨	\vdash	145	╁╌	┢	╌	+-	╁╾	-	Н		\vdash
\vdash	47	17	7	\vdash	+	┪		\vdash		╁	-	H		96 97	\vdash	┰	H	\vdash	Н	\dashv	┥	+	-	\vdash	147	╁	┢	⊢	╁	⊢	-	\vdash	\vdash	H
—	48	1	7	$\vdash \vdash$	┰	ᅱ	_	-	\vdash	+	1	ij		98	۲	+	┢	\vdash	Н	\dashv	ᅱ	\dashv	-	-	148	╁	\vdash	╆	╁	╁╌	\vdash	$\vdash \vdash$	\dashv	H
\vdash	49	۲.۶	7	\vdash	+	┥	-	⊢	+	+-	╣	1		99	╁	+	┰	+-	Н		┪	+	-	\vdash	149	╀	╌	┼	╁	\vdash	-	${oldsymbol{arphi}}$	\dashv	H
\vdash	50	1	7	\vdash	+	┥	\dashv	-	┢	┿	┪			100	╁	+	┢	\vdash	Н	\dashv		+	⊣∭	\vdash	150	+	-	\vdash	⊢	⊢	\vdash	\vdash	\dashv	H
		<u>-</u>	ئ		_			Щ.	ட		J:::	···[1 :00	Ц.		щ	1	ш				::::		<u>၂ 130</u>		<u> </u>	1_	<u> </u>	<u> </u>	L		ك	ال